



22 JUN 2005

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference IP/P7229/WOD	FOR FURTHER see Notification (Form PCT/ISA/	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 03/05477	16/12/2003	23/12/2002
Applicant		
QINETIQ LIMITED		
This International Search Report has be according to Article 18. A copy is being	een prepared by this International Searching Au transmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consider X It is also accompanied	sts of a total of sheets. by a copy of each prior art document cited in thi	is report.
Basis of the report		acie of the international application in the
 a. With regard to the language, the language in which it was filed, 	he international search was carried out on the bunless otherwise indicated under this item.	asis of the international application in the
the international search Authority (Rule 23.1(b)	h was carried out on the basis of a translation of	the International application furnished to this
was carried out on the basis of	f the sequence listing :	international application, the international search
L	ational application in written form. international application in computer readable fo	orm.
·	y to this Authority in written form.	
	y to this Authority in computer readble form.	•
the statement that the	subsequently furnished written sequence listing on as filed has been furnished.	does not go beyond the disclosure in the
		is Identical to the written sequence listing has been
2. Certain claims were t	found unsearchable (See Box I).	
3. Unity of Invention Is	lacking (see Box II).	
4. With regard to the title,		
	s submitted by the applicant.	
	ablished by this Authority to read as follows:	THE PARTY OF THE PARTY OF
SCORING ESTROGEN AND	PROGESTERONE RECEPTORS EXPR	RESSION BASED ON IMAGE ANALYSIS
5. With regard to the abstract,		
X the text is approved as	s submitted by the applicant.	of the second in Pay III. The continent may
the text has been esta within one month from	ablished, according to Rule 38.2(b), by this Author the date of mailing of this International search	ority as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the drawings to be p	published with the abstract is Figure No.	02
as suggested by the a	applicant.	None of the figures.
	t failed to suggest a figure.	
X because this figure be	etter characterizes the invention.	



Int	nal	Application No
Por	ĞВ	03/05477

A. CLASSIF	FICATION OF SUBJECT MATTER G06F19/00		
According to	International Patent Classification (IPC) or to both national classification	ication and IPC	
	SEARCHED currentation searched (classification system followed by classific	ation symbols)	
IPC 7	G06F	,	
Documentat	ion searched other than minimum documentation to the extent that	t such documents are included in the fields s	earched
Electronic da	ata base consulted during the international search (name of data	base and, where practical, search terms used	1)
EPO-In	ternal, WPI Data, PAJ, INSPEC, COM	PENDEX, IBM-TDB, BIOSIS,	EMBASE
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to dalm No.
A	MINK D. ET AL: "Einsatz der computergestützen Bildanalyse z Erfassung des immunhistochemisc Rezeptorstatus beim Mammakarzin Immunhistochemische densitometr Rezeptoranalyse – IDRA" GEBURTSH. U. FRAUENHEILK., vol. 51, – 1992 pages 617-623, XP009031379 page 618, right-hand column, pa-page 619, right-hand column, 1 paragraph	hen om; ische ragraph 4	1-27
X Fur	ther documents are listed in the continuation of box C.	Patent family members are listed	
° Special c	ategories of cited documents :	"T" later document published after the in or priority date and not in conflict will	ternational filing date
'A' docum	nent defining the general state of the art which is not idered to be of particular relevance	cited to understand the principle or t invention	heory underlying the
"E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention		claimed invention of be considered to	
'I' docum	filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention		locument is taken alone
citation "O" docum	on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an document is combined with one or r	Inventive step when the nore other such docu-
'P' docum	other means P' document published prior to the international filing date but later than the priority date claimed ments, such combination being obvious to a person skilled in the art. ** document member of the same patent family		15
Date of the	Date of the actual completion of the international search Date of mailing of the international search report		earch report
	28 May 2004	09/06/2004	
Name and	I mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	COPY
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Engels, A	~

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In the hal Application No PCT/GB 03/05477

	ustion) DOCUMENTS CONSIDERED TO BE RELEVANT	7C17 dB 03/034//
	Relevant to claim No.	
Category	менечали то скалти мо.	
A	EL-BADAWY N. ET AL: "Immunohistochemical Progesterone Receptor Assay; Measurement by Image Analysis" AMERICAN JOURNAL OF ANATOMIC PATHOLOGY, vol. 96, no. 6, 1991, pages 704-710, XP009031312 page 705, left-hand column, paragraph 3-page 706, left-hand column, paragraph 1	1-27
A	LEHR HA. ET AL: "Quantitative Evaluation of HER-2/neu Status in Breast Cancer by Fluorescene In Situ Hybridization and by Immunohistochemistry with Image Analysis" AMERICAN JOURNAL OF CLINICAL PATHOLOGY, vol. 115, no. 6, June 2001 (2001-06), pages 814-814-822, XP009031311 page 816, right-hand column, paragraph 1	1,3,10, 12,19,21
A	TRUE L.: "Quantitative Immunohistochemical Assay of Estrogen Receptors by Image Analysis" LABORATORY INVESTIGATION, vol. 56, no. 1, 1987, page 80A XP009031381 the whole document	1,3,10, 12,19,21
A	ESTEBAN J.M. ET AL.: "Biologic Significance of Quantitative Estrogen Receptor Immunohistochemical Assay by Image Analysis in Breast Cancer" AMERICAL JOURNAL OF CLINICAL PATHOLOGY, vol. 102, no. 2, 1994, pages 158-162, XP009031313 page 159, left-hand column, last paragraph -right-hand column, paragraph 2	4,8,13, 17,22,26
A	CAVALIERE A.: "Computer-Assisted Immunocytochemical determination of breast cancer steroid receptors. Frozen Sections vs Paraffin Sections" THE BREAST, vol. 10, no. 6, December 2001 (2001-12), pages 476-483, XP009031322 page 477, right-hand column, paragraph 2	4,8,13, 17,22,26

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ĺ	PC . GB	03/05477	

		FC 17 GB 03	, 00 1, 7
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			Polygant to claim No
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Helevalli to Classifico.
C.(Continue Category *	TSAPATSOULIS N ET AL: "An image analysis system for automated detection of breast cancer nuclet" IMAGE PROCESSING, 1997. PROCEEDINGS., INTERNATIONAL CONFERENCE ON SANTA BARBARA, CA, USA 26-29 OCT. 1997, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 26 October 1997 (1997-10-26), pages 512-515, XPO10253657 ISBN: 0-8186-8183-7 "3.1 The Pre-Processing Step "	FC174B 03	Relevant to claim No. 8,17,26

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